

Comparisons of Job Characteristics

Focus Occupation: Outdoor Power Equipment and Other Small Engine Mechanics (49-3053)

Associated Occupation: Mobile Heavy Equipment Mechanics, Except Engines (49-3042)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Outdoor Power Equipment and Other Small Engine Mechanics (49-3053)

Associated Occupation: Mobile Heavy Equipment Mechanics, Except Engines (49-3042)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	23.6	18.5	<< Extensive education and/or training may be required
Engineering and Technology	5.7	10.2	9.0	< Expanded education and/or training may be required
Physics	4.3	7.9	6.5	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Outdoor Power Equipment and Other Small Engine Mechanics (49-3053)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Troubleshooting	4.5	13.6	11.5	< A higher skill level may be required
Repairing	3.4	13.2	11.9	< A higher skill level may be required
Equipment Maintenance	3.5	12.9	11.5	< A higher skill level may be required
Operation Monitoring	6.6	11.9	10.2	< A higher skill level may be required
Quality Control Analysis	5.9	11.9	9.8	< A higher skill level may be required
Operation and Control	5.4	10.8	9.5	< A higher skill level may be required
Equipment Selection	3.3	9.3	7.8	< A higher skill level may be required
Management of Material Resources	3.7	6.4	2.7	<< Extensive development of skills in this area may be required
Installation	1.7	6.0	1.8	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 90			
Focus Occupation: Outdoor Power Equipment and Other Small Engine Mechanics (49-3053) Associated Occupation: Mobile Heavy Equipment Mechanics, Except Engines (49-3042)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	13.9	11.4	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	13.5	10.0	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	13.4	8.7	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	13.0	10.8	<	Some improvement in abilities may be required
Finger Dexterity	7.6	12.9	11.4	<	Some improvement in abilities may be required
Visualization	7.5	12.2	10.6	<	Some improvement in abilities may be required
Reaction Time	4.8	11.4	8.2	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	11.0	8.0	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	9.4	6.2	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	5.8	4.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
Focus Occupation: Outdoor Power Equipment and Other Small Engine Mechanics (49-3053) Associated Occupation: Mobile Heavy Equipment Mechanics, Except Engines (49-3042)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Adjust or set mechanical controls or components	69	
Align or adjust clearances of mechanical components or parts	72	
Apply cleaning solvents	41	
Assemble, dismantle, or reassemble equipment or machinery	70	
Conduct tests to locate mechanical system malfunction	71	
Determine installation, service, or repair needed	58	
Diagnose mechanical problems in machinery or equipment	65	

Fabricate, assemble, or disassemble manufactured products by hand	11
Inspect machinery or equipment to determine adjustments or repairs needed	42
Maintain repair records	65
Move or fit heavy objects	8
Overhaul vehicle major operating units, such as engines or transmissions	84
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34
Read work order, instructions, formulas, or processing charts	9
Repair or replace malfunctioning or worn mechanical components	62
Set up and operate variety of machine tools	62
Test mechanical products or equipment	56
Understand service or repair manuals	40
Use electrical or electronic test devices or equipment	40
Use electronic calibration devices	68
Use engine diagnostic equipment	82
Use hand or power tools	2
Use knowledge of metric system	39
Use machine tools in installation, maintenance, or repair	72
Use precision measuring devices in mechanical repair work	61
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.